



July 2009

DEPARTMENT OF EDUCATION
2008–2009 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State accountability standards of Maine's *Learning Results*. The *Learning Results* contain goals for what all students should know and be able to do at certain times in their school careers and include the accountability standards that are assessed for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind* Act.

The 2008-2009 MEA Summary Reports contain the results of student achievement in reading and mathematics at all grades and science at grades 5 and 8 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. More information about the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the assessments.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 8

Test Date: March 2009
Code: 10561235
SAU: Ellsworth School Department
School: Ellsworth Middle School

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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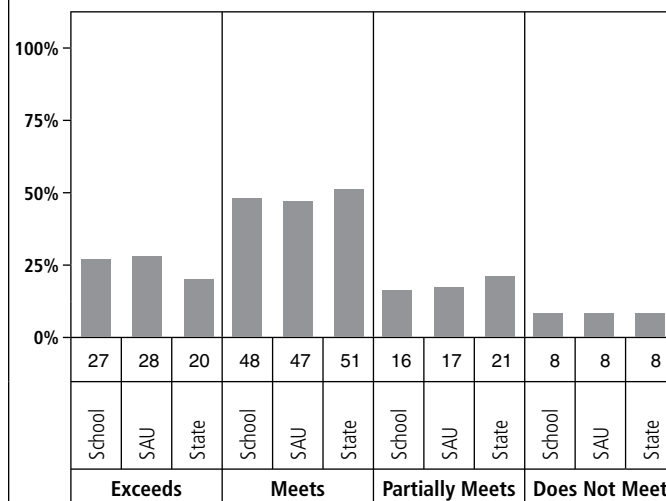
SUMMARY OF SCORES

Test Date: March 2009
Grade: 8
SAU: Ellsworth School Department
School: Ellsworth Middle School

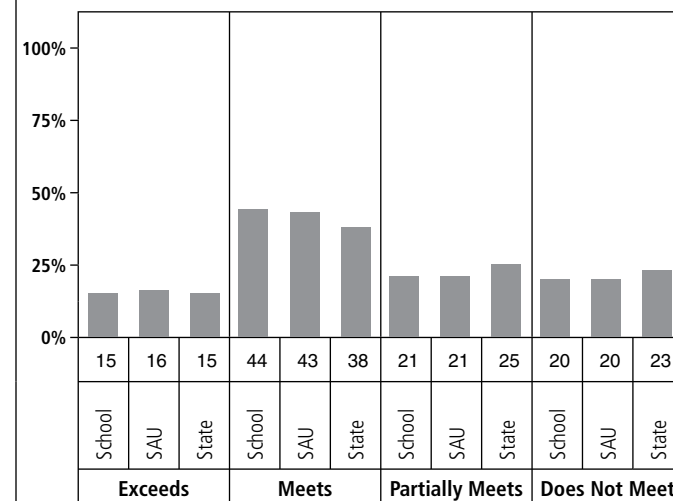
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2006–2007	853	851	847
2007–2008	851	851	849
2008–2009	852	853	850
Cum. Avg.*	852	852	849
Mathematics			
2006–2007	848	846	842
2007–2008	841	842	841
2008–2009	845	845	843
Cum. Avg.*	845	844	842
Science			
2008–2009 **	850	850	846

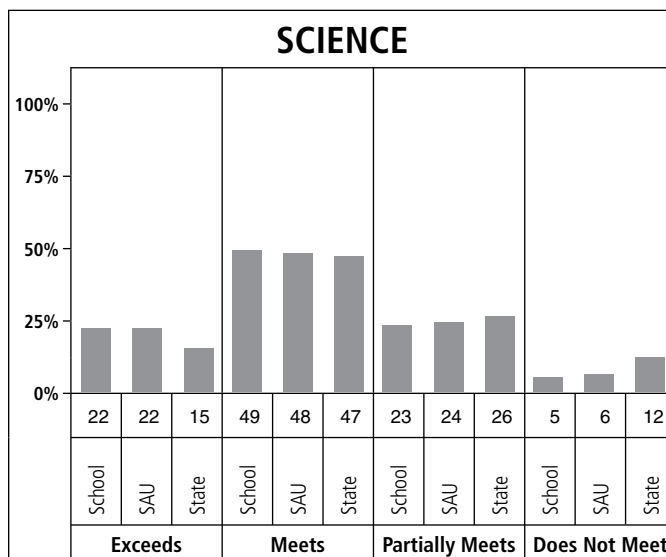
ELA – READING



MATHEMATICS



SCIENCE



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

** Because science standards were reset in May 2009, no historical data are available

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2009
 Grade: 8
 SAU: Ellsworth School Department
 School: Ellsworth Middle School

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																	
							ELA-Reading						Mathematics						Science					
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Total number of students	91	100	89	100	14804	100	91	100	89	100	14659	99	91	100	89	100	14653	99	91	100	89	100	14626	99
Ethnicity African American/Black	2	2	2	2	377	3	2	100	2	100	366	97	2	100	2	100	371	98	2	100	2	100	367	97
American Indian or Native Alaskan	0	0	0	0	119	1	0	0	0	0	117	99	0	0	0	0	115	97	0	0	0	0	116	98
Asian or Pacific Islander	0	0	0	0	238	2	0	0	0	0	232	97	0	0	0	0	234	98	0	0	0	0	234	98
Hispanic	0	0	0	0	192	1	0	0	0	0	188	98	0	0	0	0	191	100	0	0	0	0	190	99
Caucasian/White	89	98	87	98	13878	94	89	100	87	100	13756	99	89	100	87	100	13742	99	89	100	87	100	13719	99
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Identified disability	13	14	12	13	2489	17	13	100	12	100	2434	99	13	100	12	100	2424	98	13	100	12	100	2418	98
Current LEP	0	0	0	0	349	2	0	0	0	0	331	95	0	0	0	0	342	98	0	0	0	0	338	97
Economically disadvantaged	21	23	21	24	5460	37	21	100	21	100	5380	99	21	100	21	100	5377	99	21	100	21	100	5359	98
Migrant	0	0	0	0	6	0	0	0	0	0	6	100	0	0	0	0	6	100	0	0	0	0	6	100

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics						Science					
	School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	76	84	75	84	12132	82	74	81	73	82	12124	82	76	84	75	84	12169	82
Identified disability (PET/IEP)	1	1	1	1	379	3	0	0	0	0	380	3	1	1	1	1	425	3
LEP	0	0	0	0	166	1	0	0	0	0	169	1	0	0	0	0	168	1
504 plan	3	4	3	4	200	2	3	4	3	4	200	2	3	4	3	4	202	2
Participation with accommodations	15	16	14	16	2349	16	17	19	16	18	2347	16	15	16	14	16	2288	15
Identified disability (PET/IEP)	12	80	11	79	1877	80	13	76	12	75	1862	79	12	80	11	79	1824	80
LEP	0	0	0	0	158	7	0	0	0	0	167	7	0	0	0	0	165	7
504 plan	3	20	3	21	70	3	3	18	3	19	70	3	3	20	3	21	66	3
Other	1	7	1	7	292	12	2	12	2	13	297	13	1	7	1	7	280	12
Participation through alternate assessment (PAAP)	0	0	0	0	178	1	0	0	0	0	182	1	0	0	0	0	169	1
Identified disability (PET/IEP)	0	0	0	0	178	100	0	0	0	0	182	100	0	0	0	0	169	100
LEP	0	0	0	0	7	4	0	0	0	0	6	3	0	0	0	0	5	3
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Approved non-participation in reading – 1st year LEP	0	0	0	0	0	0												
Approved non-participation – special consideration	0	0	0	0	32	0	0	0	0	0	34	0	0	0	0	0	38	0
Non-participation – other	0	0	0	0	113	1	0	0	0	0	117	1	0	0	0	0	140	1

¹Percents are the percentage of students enrolled in each participation category.

²Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

³Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date: March 2009
Grade: 8
SAU: Ellsworth School Department
School: Ellsworth Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (Scaled Score 862–880)	2006-2007	16	18	16	18	2407	16
	2007-2008	20	23	20	24	3428	23
	2008-2009	25	27	25	28	2857	20
	Cum. Total*	61	23	61	23	8692	19
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (Scaled Score 842–860)	2006-2007	55	63	53	58	7494	49
	2007-2008	43	50	42	51	7179	48
	2008-2009	44	48	42	47	7431	51
	Cum. Total*	142	54	137	52	22104	49
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (Scaled Score 830–840)	2006-2007	15	17	17	19	3628	24
	2007-2008	15	17	14	17	2706	18
	2008-2009	15	16	15	17	2979	21
	Cum. Total*	45	17	46	17	9313	21
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (Scaled Score 800–828)	2006-2007	2	2	5	5	1810	12
	2007-2008	8	9	7	8	1611	11
	2008-2009	7	8	7	8	1214	8
	Cum. Total*	17	6	19	7	4635	10

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Reading Total Points	56	100	37.2	66.4	37.3	66.6	35.5	63.4
A1/A2 Interconnected Elements/Literary Text	20	36	12.6	63.0	12.6	63.0	12.3	61.5
A1/A3/4 Interconnected Elements/Informational Text/Persuasive Text	36	64	24.6	68.3	24.6	68.3	23.2	64.4

The MEA measures student achievement of the interconnected elements of the reading process based on questions related to literary and informational/persuasive reading passages. Reading passages include both long and short texts, selected from developmentally appropriate works. MEA reading items measure the English Language Arts accountability content standard A, Reading, contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at:
<http://www.maine.gov/education/lres/pei/index.html>.

ELA-READING RESULTS

(CONTINUED)

Test Date: March 2009
Grade: 8
SAU: Ellsworth School Department
School: Ellsworth Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	91	25	27	44	48	15	16	7	8	852	89	28	47	17	8	853	14481	20	51	21	8	850
Ethnicity																						
African American/Black	2										2						362	8	43	29	20	843
American Indian or Native Alaskan	0										0						116	10	46	26	18	843
Asian or Pacific Islander	0										0						231	28	43	19	10	851
Hispanic	0										0						186	17	48	23	12	847
Caucasian/White	89	25	28	44	49	13	15	7	8	853	87	29	48	15	8	853	13586	20	52	20	8	850
Not Reported	0										0						0					
Identified disability																						
Yes	13	1	8	5	38	4	31	3	23	842	12	8	33	33	25	841	2256	2	25	40	34	834
No	78	24	31	39	50	11	14	4	5	854	77	31	49	14	5	854	12225	23	56	17	4	853
Current LEP																						
Yes	0										0						324	5	34	36	26	838
No	91	25	27	44	48	15	16	7	8	852	89	28	47	17	8	853	14157	20	52	20	8	850
Economically disadvantaged																						
Yes	21	4	19	12	57	2	10	3	14	848	21	19	57	10	14	848	5277	10	46	29	15	844
No	70	21	30	32	46	13	19	4	6	854	68	31	44	19	6	854	9204	26	54	16	5	853
Migrant																						
Yes	0										0						5	0	40	60	0	841
No	91	25	27	44	48	15	16	7	8	852	89	28	47	17	8	853	14476	20	51	21	8	850
Gender																						
Female	46	15	33	23	50	4	9	4	9	855	46	33	50	9	9	855	7074	25	51	18	6	852
Male	45	10	22	21	47	11	24	3	7	850	43	23	44	26	7	850	7407	14	51	23	11	847
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						857	9	43	35	14	843
No	91	25	27	44	48	15	16	7	8	852	89	28	47	17	8	853	13624	20	52	20	8	850
Gifted/talented program																						
Yes	4										4						700	69	30	1	0	867
No	87	23	26	42	48	15	17	7	8	852	85	27	47	18	8	852	13781	17	52	22	9	849

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA-READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 8
SAU: Ellsworth School Department
School: Ellsworth Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	14	4	31	7	54	1	8	1	8	852	15	31	54	8	8	852	8	8	39	29	24	841
B. less than one hour	63	15	26	28	49	9	16	5	9	852	62	27	47	16	9	852	51	17	53	22	8	849
C. one to two hours	22	5	25	9	45	5	25	1	5	853	22	25	45	25	5	853	36	24	52	18	5	852
D. more than two hours	1	1	100	0	0	0	0	0	0	880	1	100	0	0	0	880	5	29	45	18	9	852
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	36	13	39	15	45	3	9	2	6	857	37	39	45	9	6	857	31	35	50	11	4	856
B. good	46	10	24	24	57	6	14	2	5	853	45	25	55	15	5	853	47	16	55	21	7	849
C. fair	13	2	17	3	25	6	50	1	8	845	13	17	25	50	8	845	18	5	47	33	15	842
D. poor	4	0	0	2	50	0	0	2	50	834	4	0	50	0	50	834	3	2	39	37	22	839
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?																						
A. The questions on the test match what I have learned in reading class.	30	10	37	13	48	2	7	2	7	856	29	38	46	8	8	857	32	27	54	14	5	853
B. They match some of what I have learned.	56	13	25	25	49	10	20	3	6	852	56	26	48	20	6	852	52	18	53	22	8	850
C. They match just a little of what I have learned.	12	2	18	5	45	2	18	2	18	847	12	18	45	18	18	847	12	11	45	29	15	844
D. There is no match.	2	0	0	1	50	1	50	0	0	841	2	0	50	50	0	841	4	6	34	33	26	838
How difficult was the reading part of this test?																						
A. more difficult than my regular schoolwork	11	2	20	4	40	3	30	1	10	848	11	20	40	30	10	848	15	13	42	28	17	844
B. about the same as my regular schoolwork	71	21	32	31	48	9	14	4	6	854	71	33	46	14	6	854	64	19	53	20	7	850
C. easier than my regular schoolwork	18	2	13	9	56	3	19	2	13	850	18	13	56	19	13	850	22	25	52	16	6	852
How difficult were the reading passages on this test?																						
A. Most of the passages were more difficult than what I normally read.	10	1	11	2	22	3	33	3	33	838	10	11	22	33	33	838	8	6	34	34	26	838
B. Most of the passages were about the same as what I normally read.	40	10	28	18	50	7	19	1	3	853	40	29	49	20	3	853	52	14	54	24	8	848
C. Most of the passages were easier than what I normally read.	50	14	31	23	51	5	11	3	7	855	50	32	50	11	7	855	40	30	53	13	4	855
How hard did you try on the reading part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	54	15	31	21	43	9	18	4	8	853	54	31	42	19	8	853	39	19	50	22	9	849
B. I tried about the same as I do on my regular schoolwork.	41	10	27	21	57	5	14	1	3	854	40	28	56	14	3	854	54	21	53	19	7	851
C. I did not try as hard on this test as I do on my regular schoolwork.	5	0	0	2	40	1	20	2	40	838	6	0	40	20	40	838	7	12	46	27	15	845
How much time do you spend reading at home each day?																						
A. more than one hour	16	4	29	7	50	3	21	0	0	856	16	29	50	21	0	856	19	26	53	15	6	853
B. 20 minutes to an hour	40	10	28	20	56	4	11	2	6	854	40	29	54	11	6	854	40	25	52	17	6	852
C. less than 20 minutes	18	7	44	5	31	2	13	2	13	855	17	47	27	13	13	855	15	18	51	21	10	849
D. I rarely read at home.	27	3	13	12	50	6	25	3	13	846	27	13	50	25	13	846	26	7	50	30	13	844
How do you feel about the following statement?																						
"My knowledge of reading will be useful to me as an adult."																						
A. strongly agree	39	12	34	16	46	6	17	1	3	855	40	34	46	17	3	855	42	27	51	15	6	853
B. agree	58	12	23	26	50	9	17	5	10	851	57	24	48	18	10	851	50	15	53	23	9	848
C. disagree	2	0	0	1	50	0	0	1	50	838	2	0	50	0	50	838	7	8	46	32	14	843
D. strongly disagree	1	0	0	1	100	0	0	0	0	844	1	0	100	0	0	844	2	6	39	35	21	840
Optional school/SAU question																						
A.	100	0	0	1	100	0	0	0	0	842	100	0	100	0	0	842						
B.	0										0											
C.	0										0											
D.	0										0											

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards
N = Number

MATHEMATICS RESULTS

Test Date: March 2009
Grade: 8
SAU: Ellsworth School Department
School: Ellsworth Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (Scaled Score 862–880)	2006-2007	15	17	14	15	1952	13
	2007-2008	8	9	8	10	1657	11
	2008-2009	14	15	14	16	2116	15
	Cum. Total*	37	14	36	14	5725	13
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (Scaled Score 842–860)	2006-2007	43	49	43	47	5870	38
	2007-2008	39	45	39	47	5956	40
	2008-2009	40	44	38	43	5443	38
	Cum. Total*	122	46	120	46	17269	39
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (Scaled Score 830–840)	2006-2007	21	24	20	22	3982	26
	2007-2008	18	21	16	19	3729	25
	2008-2009	19	21	19	21	3556	25
	Cum. Total*	58	22	55	21	11267	25
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (Scaled Score 800–828)	2006-2007	9	10	14	15	3534	23
	2007-2008	21	24	20	24	3579	24
	2008-2009	18	20	18	20	3356	23
	Cum. Total*	48	18	52	20	10469	23

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Mathematics Total Points	56	100	30.0	53.6	29.9	53.4	28.6	51.1
A. Number	8	14	4.0	50.0	4.0	50.0	3.7	46.3
B. Data	16	29	9.1	56.9	9.1	56.9	8.9	55.6
C. Geometry	12	21	5.5	45.8	5.4	45.0	5.0	41.7
D. Algebra	20	36	11.4	57.0	11.4	57.0	10.9	54.5

The MEA assesses students’ mathematics knowledge based on questions that measure the mathematics accountability content standards contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard A, Number, includes Whole Number, Rational Number, and Real Number.

Content Standard B, Data, includes Measurement and Approximation, Data Analysis, and Probability.

Content Standard C, Geometry, includes Geometric Figures, Geometric Measurement, and Transformations.

Content Standard D, Algebra, includes Symbols and Expressions, Equations and Inequalities, and Functions and Relations.



MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 8
 SAU: Ellsworth School Department
 School: Ellsworth Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	91	14	15	40	44	19	21	18	20	845	89	16	43	21	20	845	14471	15	38	25	23	843
Ethnicity																						
African American/Black	2										2						367	6	24	26	44	831
American Indian or Native Alaskan	0										0						114	5	31	32	32	836
Asian or Pacific Islander	0										0						233	27	33	20	21	847
Hispanic	0										0						190	8	31	26	34	836
Caucasian/White	89	14	16	40	45	18	20	17	19	845	87	16	44	21	20	845	13567	15	38	25	22	843
Not Reported	0										0						0					
Identified disability																						
Yes	13	2	15	2	15	3	23	6	46	832	12	17	8	25	50	831	2242	2	12	22	63	824
No	78	12	15	38	49	16	21	12	15	847	77	16	48	21	16	847	12229	17	42	25	16	846
Current LEP																						
Yes	0										0						336	6	18	26	51	829
No	91	14	15	40	44	19	21	18	20	845	89	16	43	21	20	845	14135	15	38	25	23	843
Economically disadvantaged																						
Yes	21	2	10	10	48	4	19	5	24	842	21	10	48	19	24	842	5270	6	30	28	36	835
No	70	12	17	30	43	15	21	13	19	846	68	18	41	22	19	845	9201	20	42	22	16	847
Migrant																						
Yes	0										0						5	0	0	40	60	828
No	91	14	15	40	44	19	21	18	20	845	89	16	43	21	20	845	14466	15	38	25	23	843
Gender																						
Female	46	10	22	20	43	10	22	6	13	848	46	22	43	22	13	848	7070	15	39	25	22	843
Male	45	4	9	20	44	9	20	12	27	842	43	9	42	21	28	841	7401	14	36	25	25	842
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						857	5	25	33	37	835
No	91	14	15	40	44	19	21	18	20	845	89	16	43	21	20	845	13614	15	38	24	22	843
Gifted/talented program																						
Yes	4										4						700	68	27	3	1	866
No	87	11	13	39	45	19	22	18	21	844	85	13	44	22	21	843	13771	12	38	26	24	841

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 8
SAU: Ellsworth School Department
School: Ellsworth Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	14	4	31	5	38	1	8	3	23	849	15	31	38	8	23	849	8	8	24	24	44	833
B. less than one hour	63	7	12	25	44	12	21	13	23	843	62	13	42	22	24	842	51	12	38	26	23	842
C. one to two hours	22	2	10	10	50	6	30	2	10	847	22	10	50	30	10	847	36	19	40	23	19	845
D. more than two hours	1	1	100	0	0	0	0	0	0	880	1	100	0	0	0	880	5	19	36	22	23	844
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	28	5	20	12	48	6	24	2	8	851	27	21	46	25	8	851	28	33	41	15	11	852
B. good	51	8	17	20	43	11	24	7	15	845	52	17	43	24	15	845	45	11	43	25	21	842
C. fair	13	0	0	6	50	2	17	4	33	839	13	0	45	18	36	838	21	3	27	35	35	834
D. poor	8	0	0	2	29	0	0	5	71	824	8	0	29	0	71	824	5	2	14	30	54	828
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?																						
A. The questions on the test match what I have learned in mathematics class.	33	6	20	13	43	6	20	5	17	847	32	21	39	21	18	847	28	23	41	21	15	848
B. They match some of what I have learned.	58	7	13	25	48	12	23	8	15	846	59	13	48	23	15	846	52	13	40	25	21	843
C. They match just a little of what I have learned.	4	0	0	2	50	1	25	1	25	835	5	0	50	25	25	835	16	8	28	30	34	836
D. There is no match.	4	0	0	0	0	0	0	4	100	814	5	0	0	0	100	814	4	5	15	22	58	826
How difficult was the mathematics part of this test?																						
A. more difficult than my regular schoolwork	29	1	4	14	54	4	15	7	27	840	30	4	54	15	27	840	32	6	34	29	32	837
B. about the same as my regular schoolwork	52	5	11	20	43	14	30	8	17	844	52	11	41	30	17	844	52	13	41	25	20	843
C. easier than my regular schoolwork	19	7	41	6	35	1	6	3	18	852	18	44	31	6	19	852	16	39	35	13	13	853
How hard did you try on the mathematics part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	58	4	8	26	50	12	23	10	19	843	58	8	49	24	20	842	42	12	38	26	25	841
B. I tried about the same as I do on my regular schoolwork.	39	8	23	14	40	6	17	7	20	847	39	24	38	18	21	847	52	17	39	23	20	845
C. I did not try as hard on this test as I do on my regular schoolwork.	3	1	33	0	0	1	33	1	33	845	3	33	0	33	33	845	7	12	27	27	35	837
How often do you use calculators in mathematics class?																						
A. almost every day	66	10	17	30	51	9	15	10	17	847	67	17	51	15	17	847	34	18	40	22	20	845
B. two or three days a week	26	2	9	6	26	9	39	6	26	838	25	9	23	41	27	837	35	14	38	26	21	843
C. two or three times each month	7	1	17	2	33	1	17	2	33	840	7	17	33	17	33	840	18	12	37	27	24	841
D. never or almost never	2	0	0	2	100	0	0	0	0	852	1	0	100	0	0	850	13	9	32	25	34	837
How often do you use laptops in mathematics class?																						
A. almost every day	23	0	0	11	52	5	24	5	24	839	24	0	52	24	24	839	9	13	38	23	26	841
B. two or three days a week	66	12	20	27	46	12	20	8	14	849	66	21	45	21	14	849	17	11	37	26	26	841
C. two or three times each month	7	1	17	1	17	0	0	4	67	831	7	17	17	0	67	831	28	15	40	25	20	844
D. never or almost never	4	0	0	1	25	2	50	1	25	830	3	0	0	67	33	823	46	16	36	24	23	843
How do you feel about the following statement? "My knowledge of mathematics will be useful to me as an adult."																						
A. strongly agree	53	7	15	24	50	9	19	8	17	847	53	15	49	19	17	847	52	19	41	22	18	846
B. agree	42	6	16	14	37	10	26	8	21	843	42	16	35	27	22	843	39	11	35	27	27	840
C. disagree	3	0	0	2	67	0	0	1	33	835	3	0	67	0	33	835	6	7	28	26	39	835
D. strongly disagree	1	0	0	0	0	0	0	1	100	822	1	0	0	0	100	822	3	4	25	28	43	832
Optional school/SAU question																						
A.	100	0	0	0	0	1	100	0	0	836	100	0	0	100	0	836						
B.	0										0											
C.	0										0											
D.	0										0											

SCIENCE RESULTS

Test Date: March 2009
Grade: 8
SAU: Ellsworth School Department
School: Ellsworth Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (Scaled Score 862–880)	2008-2009*	20	22	20	22	2155	15
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (Scaled Score 842–860)	2008-2009*	45	49	43	48	6687	47
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (Scaled Score 828–840)	2008-2009*	21	23	21	24	3672	26
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems. Explanations are illogical, incomplete, or missing. There are many inaccuracies. (Scaled Score 800–826)	2008-2009*	5	5	5	6	1749	12

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Science Total Points	56	100	34.6	61.8	34.6	61.8	32.0	57.1
D. The Physical Setting	31	55	18.0	58.1	18.0	58.1	17.1	55.2
D1/D2 Earth/Space	17	30	10.1	59.4	10.1	59.4	9.4	55.3
D3/D4 Matter and Energy/Force and Motion	14	25	7.9	56.4	7.9	56.4	7.7	55.0
E. The Living Environment	25	45	16.6	66.4	16.6	66.4	14.9	59.6

The MEA assesses students’ science knowledge based on questions that measure the science accountability content standards highlighted in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at:
<http://www.maine.gov/education/lres/pei/index.html>.

Content Standard D. The Physical Setting
D1 - Universe and Solar System
D2 - Earth
D3 - Matter and Energy
D4 - Force and Motion

Content Standard E. The Living Environment
E1 - Biodiversity
E2 - Ecosystems
E3 - Cells
E4 - Heredity and Reproduction
E5 - Evolution

SCIENCE RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 8
 SAU: Ellsworth School Department
 School: Ellsworth Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	91	20	22	45	49	21	23	5	5	850	89	22	48	24	6	850	14263	15	47	26	12	846
Ethnicity																						
African American/Black	2										2						360	4	31	35	30	835
American Indian or Native Alaskan	0										0						114	8	39	31	22	839
Asian or Pacific Islander	0										0						230	20	44	23	13	848
Hispanic	0										0						184	9	45	29	16	842
Caucasian/White	89	20	22	45	51	20	22	4	4	850	87	23	49	23	5	850	13375	15	47	25	12	846
Not Reported	0										0						0					
Identified disability																						
Yes	13	3	23	3	23	5	38	2	15	842	12	25	17	42	17	841	2221	3	22	36	38	832
No	78	17	22	42	54	16	21	3	4	851	77	22	53	21	4	851	12042	17	51	24	7	848
Current LEP																						
Yes	0										0						331	4	20	39	37	832
No	91	20	22	45	49	21	23	5	5	850	89	22	48	24	6	850	13932	15	48	25	12	846
Economically disadvantaged																						
Yes	21	5	24	8	38	6	29	2	10	848	21	24	38	29	10	848	5184	6	40	33	21	840
No	70	15	21	37	53	15	21	3	4	851	68	22	51	22	4	851	9079	20	51	21	8	849
Migrant																						
Yes	0										0						5	0	0	80	20	829
No	91	20	22	45	49	21	23	5	5	850	89	22	48	24	6	850	14258	15	47	26	12	846
Gender																						
Female	46	11	24	23	50	9	20	3	7	850	46	24	50	20	7	850	6953	14	47	28	11	846
Male	45	9	20	22	49	12	27	2	4	850	43	21	47	28	5	849	7310	16	46	24	13	846
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						828	5	35	40	20	839
No	91	20	22	45	49	21	23	5	5	850	89	22	48	24	6	850	13435	16	48	25	12	846
Gifted/talented program																						
Yes	4										4						699	65	34	2	0	865
No	87	16	18	45	52	21	24	5	6	849	85	19	51	25	6	849	13564	13	48	27	13	845

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

SCIENCE RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 8
SAU: Ellsworth School Department
School: Ellsworth Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	14	4	31	5	38	4	31	0	0	853	15	31	38	31	0	853	8	8	34	28	30	837
B. less than one hour	63	11	19	28	49	14	25	4	7	848	62	20	47	25	7	848	51	14	48	27	11	846
C. one to two hours	22	4	20	12	60	3	15	1	5	852	22	20	60	15	5	852	36	19	48	24	9	848
D. more than two hours	1	1	100	0	0	0	0	0	0	864	1	100	0	0	0	864	5	17	49	20	14	847
Which of the following best describes how you rate yourself as a student in science?																						
A. very good	20	6	33	9	50	3	17	0	0	856	20	33	50	17	0	856	23	27	47	17	8	851
B. good	56	10	20	26	52	11	22	3	6	850	56	20	51	22	6	850	53	15	50	26	10	847
C. fair	19	3	18	8	47	4	24	2	12	846	18	19	44	25	13	845	20	4	43	35	18	840
D. poor	6	0	0	2	40	3	60	0	0	842	6	0	40	60	0	842	4	4	27	34	35	834
How well do the questions that you have just been given on this MEA test match what you have learned in school about science?																						
A. The questions on the test match what I have learned in science class.	22	5	25	10	50	4	20	1	5	853	22	26	47	21	5	853	26	20	49	23	9	849
B. They match some of what I have learned.	66	12	20	29	49	14	24	4	7	849	66	21	48	24	7	849	51	14	48	26	11	846
C. They match just a little of what I have learned.	9	2	25	5	63	1	13	0	0	854	9	25	63	13	0	854	18	13	44	28	15	844
D. There is no match.	3	0	0	1	33	2	67	0	0	841	3	0	33	67	0	841	4	5	33	30	32	836
How difficult was the science part of this test?																						
A. more difficult than my regular schoolwork	24	6	27	10	45	5	23	1	5	850	24	29	43	24	5	850	32	13	45	28	14	844
B. about the same as my regular schoolwork	66	12	20	33	56	11	19	3	5	851	66	21	55	19	5	851	56	15	49	25	11	847
C. easier than my regular schoolwork	10	1	11	2	22	5	56	1	11	842	10	11	22	56	11	842	11	21	43	22	13	847
How hard did you try on the science part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	47	9	21	19	45	12	29	2	5	850	47	22	44	29	5	850	39	14	47	27	12	845
B. I tried about the same as I do on my regular schoolwork.	49	10	23	24	55	8	18	2	5	851	49	23	53	19	5	851	55	17	48	25	10	847
C. I did not try as hard on this test as I do on my regular schoolwork.	3	0	0	1	33	1	33	1	33	831	3	0	33	33	33	831	6	8	36	29	26	839
Which courses do you plan to take before you graduate from high school?																						
A. earth and space science and/or biology	25	2	9	10	45	8	36	2	9	847	26	9	45	36	9	847	26	9	48	29	14	844
B. the course(s) described in A, plus chemistry	20	4	22	11	61	2	11	1	6	850	19	25	56	13	6	850	23	17	49	22	12	847
C. the course(s) described in B, plus physics	27	6	25	12	50	5	21	1	4	851	28	25	50	21	4	851	21	31	44	17	7	852
D. a life science and physical science class	27	6	25	12	50	5	21	1	4	850	28	25	50	21	4	850	30	7	46	32	14	842
How well does the following statement reflect your future goals? "I am interested in a career related to science, technology, engineering, or mathematics."																						
A. strongly agree	27	7	29	10	42	5	21	2	8	851	27	29	42	21	8	851	27	23	47	20	10	849
B. agree	38	10	29	18	53	5	15	1	3	854	36	31	50	16	3	854	37	14	47	27	12	846
C. disagree	21	1	5	11	58	5	26	2	11	844	22	5	58	26	11	844	25	11	48	29	12	845
D. strongly disagree	14	1	8	6	46	6	46	0	0	845	15	8	46	46	0	845	11	9	44	31	17	842
How do you feel about the following statement? "My knowledge of science will be useful to me as an adult."																						
A. strongly agree	33	6	20	13	43	9	30	2	7	848	33	21	41	31	7	848	31	22	46	22	10	849
B. agree	43	10	26	22	56	6	15	1	3	853	43	26	55	16	3	853	50	14	49	26	11	846
C. disagree	14	2	15	6	46	3	23	2	15	846	15	15	46	23	15	846	14	9	45	31	15	843
D. strongly disagree	9	1	13	4	50	3	38	0	0	846	9	13	50	38	0	846	5	3	38	34	25	837
Optional school/SAU question																						
A.	100	0	0	0	0	1	100	0	0	838	100	0	0	100	0	838						
B.	0										0											
C.	0										0											
D.	0										0											

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards
N = Number